



Akademija tehničko-umetničkih strukovnih studija Beograd  
Odsek Visoka škola za informacione i komunikacione tehnologije  
Smer Internet tehnologije

## **DOKUMENTACIJA**

**Predmet:** Web programiranje 1

**Tema:** Aquila forge

**Student:**

**Milovan Marković 101/17**

**Profesor:**

**Dr Nenad Kojić**

**Beograd, 2023.**



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## UVOD

### Korišćene tehnologije:

- 1) Korišćeni jezik: JavaScript;
- 2) Korišćene biblioteke: jQuery;
- 3) Dodatno: HTML, CSS
- 4) Korišćeno okruženje: Visual Studio 2019, Notepad++

Statički deo sajta je urađen bez gotovih template.

### Opis funkcionalnosti

Ulaskom na sajt dinamički se ispisuje Meni. Kako korisnik skroluje sajt, header ostaje fiksiran i prati kretanje korisnika. U donjem desnom uglu se pojavljuje link koji korisniku omogućava povratak na vrh stranice.

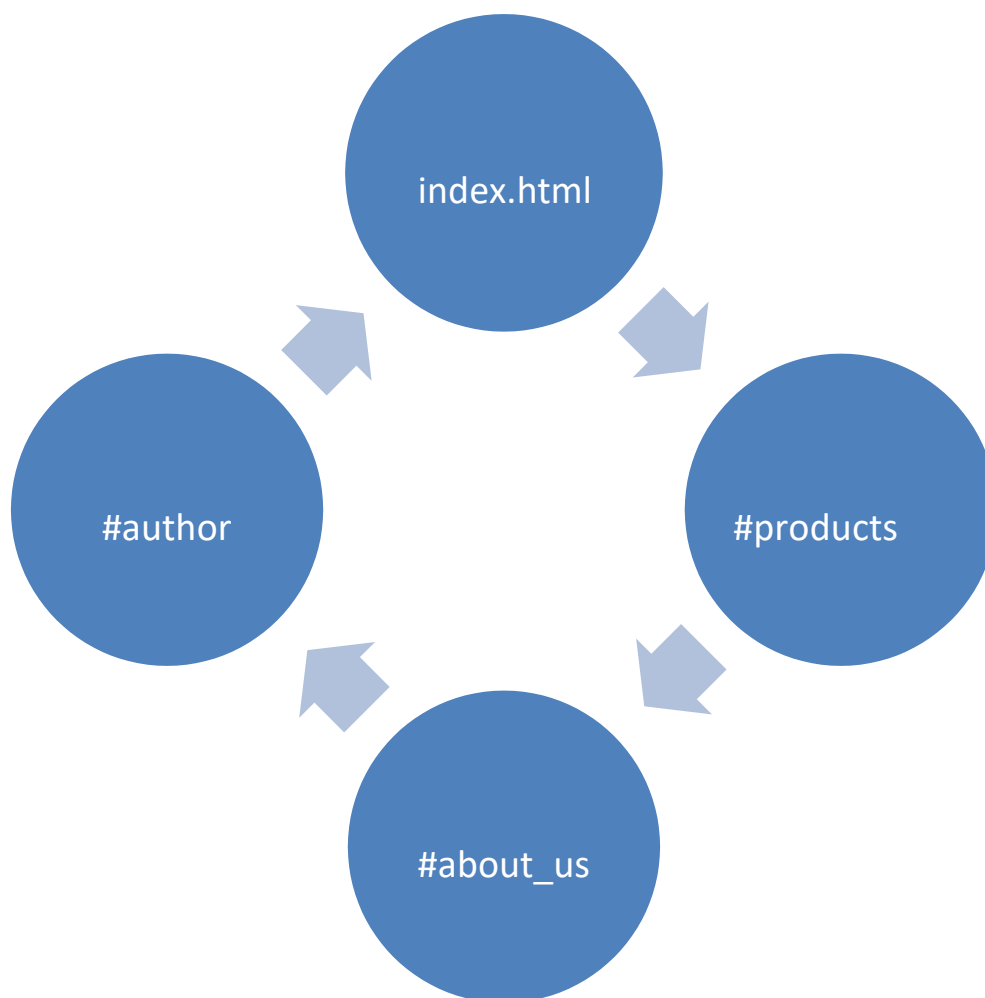
Prelaskom miša preko polja, pojavljuju se slike pomoću jQuery-ja.

Products se isto dinamički ispisuje. Prelaskom miša preko produkta, pojaviće se (pomoću jQueryja) naziv i opis datog produkta. Klikom na opciju „More about” korisniku će se prikazati kratak opis o datom produktu.

Pri kraju sajta nalazi se slajder koji se sastoji od pet slika koje se naizmenično smenjuju u vremenskom period od 2 sekunde.

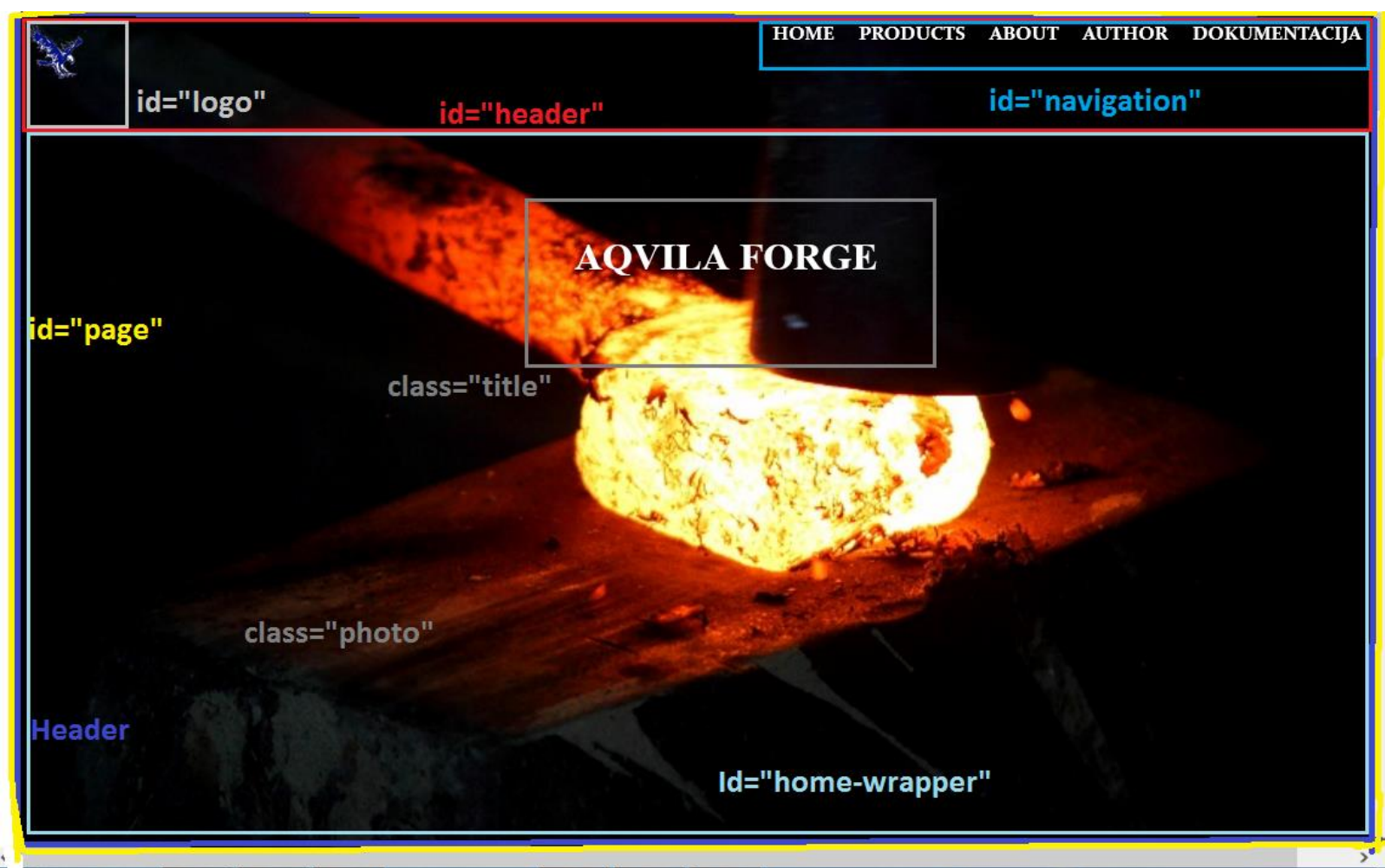
Forma za postavljanje pitanja je vid regularnih izraza gde se proverava ispravnost unetih podataka. U ovom slučaju: Ime, Prezime, email i komentar. U slučaju neispravno unetih podataka, polje sa pogrešnim podacima menja boju u crvenu.

### Organizaciona šema



Sajt sastavljen od jedne stranice sa nekoliko linkova koji skroluju.

## Podela na blokove i regione



## Welcome to Aqvila Forge!

Country: Serbia  
Location: Obrenovac  
Founding: 2019  
Specialty: European swords  
Total made: 24 blades including swords and knives

In 2017, I became interested in forging and metalworking. In the beginning, I literally started with a few tools that I found in my dad's garage. My forge was very primitive and simple, and I gathered knowledge from books, forums and YouTube. I've had a lot of ups and downs along the way, and I still have a lot to learn.

id="aboutPhotoText"

class="blog"



id="aboutPhoto"

## Products

id="products"







Russian Shashka  
[More about](#)

class="gallery"



class="gallery"



class="gallery"



## class="text-left"

In order to have the best possible sword, you need two things, high-quality steel and even more important heat treatment.

The quality of the steel is the most important and will depend primarily on the percentage of carbon it contains, high carbon steels are the best, of course other metals are usually added to improve the quality, such as chromium, which increases the elasticity of the steel and reduces the possibility of corrosion. But heat treatment plays a key role, because even the best steel without adequate heat treatment is unusable and the worst steel with adequate heat treatment will overpower it.

Heat treatment works by heating the steel to a certain temperature, which is easily determined by technology today, but the desired temperature can still be determined the old-fashioned way by looking at the color of the heated steel. Once the desired temperature is reached, the steel is cooled by immersion, usually in oil, but water is also used to determine the type of steel. By sudden cooling, the steel changes its structure at the atomic level, which results in a better performance of the steel.

id="about us"



class="video1"

id="slider"



SEND ME A QUESTION

Name

LastName

Email

class="text-tabs"

0/300

SEND

id="forms"

id="contact"

SEND

## AUTHOR

header

Milovan Markovic was born on February 27, 1998 in Belgrade. He graduated from the Gymnasium in Obrenovac and is currently studies Internet Technologies at the College of Informational and Communicational Technologies in Belgrade. From 2017 to 2020, he simultaneously worked at the Port of Belgrade outside of his studies. As a Web developer, has some basic knowledge of HTML, CSS, JS.



class="chart"

id="textAuthor"



id="imageAuthor"

id="author"

id="footer"



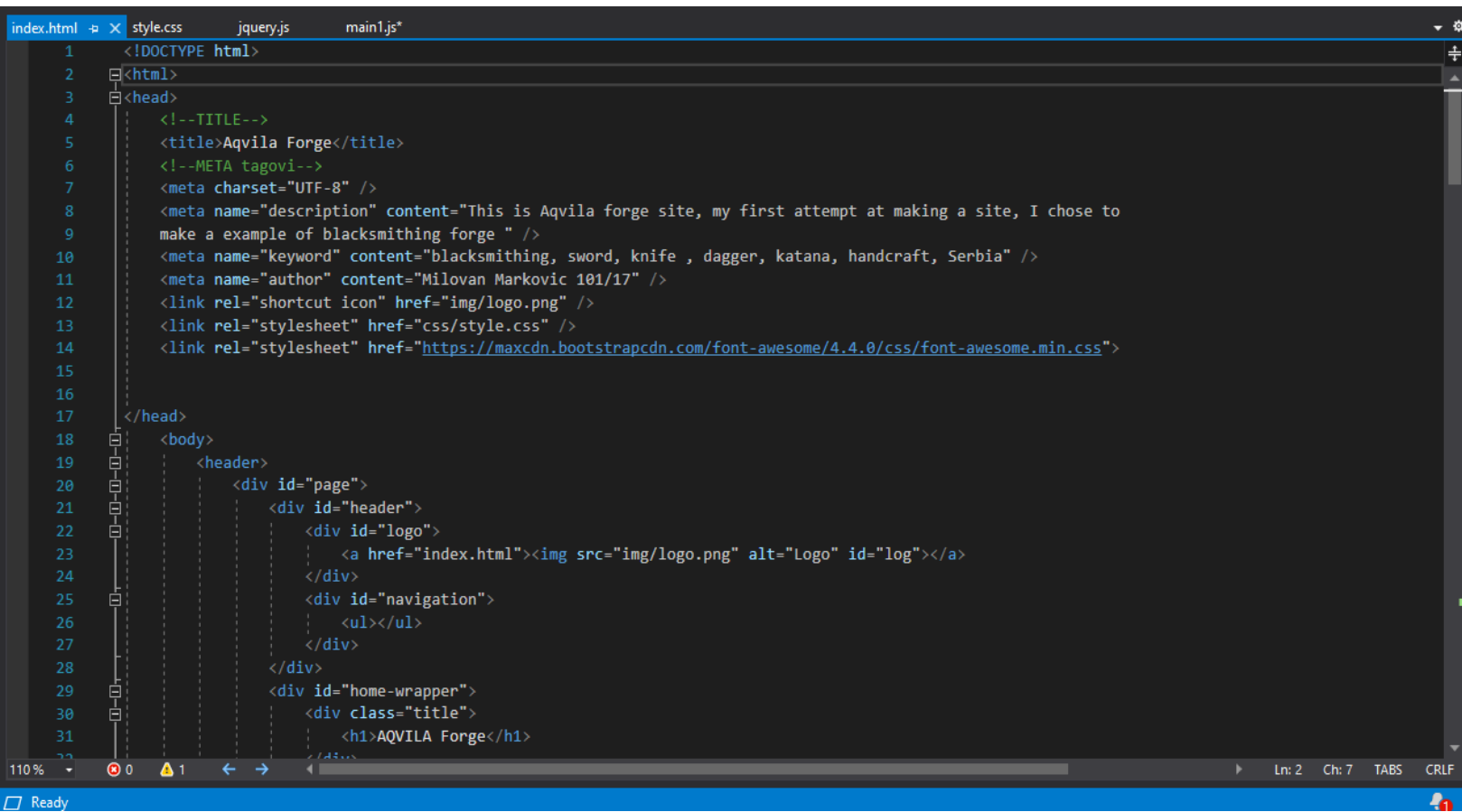
id="links"

Milovan Markovic 101/17 © 2022 All rights reserved.

id="copyright"



# HTML



```
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <!--TITLE-->
5   <title>Aquila Forge</title>
6   <!--META tagovi-->
7   <meta charset="UTF-8" />
8   <meta name="description" content="This is Aquila forge site, my first attempt at making a site, I chose to
9   make a example of blacksmithing forge " />
10  <meta name="keyword" content="blacksmithing, sword, knife , dagger, katana, handcraft, Serbia" />
11  <meta name="author" content="Milovan Markovic 101/17" />
12  <link rel="shortcut icon" href="img/logo.png" />
13  <link rel="stylesheet" href="css/style.css" />
14  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/font-awesome/4.4.0/css/font-awesome.min.css">
15
16 </head>
17 <body>
18   <header>
19     <div id="page">
20       <div id="header">
21         <div id="logo">
22           <a href="index.html"></a>
23         </div>
24         <div id="navigation">
25           <ul></ul>
26         </div>
27       </div>
28     </div>
29     <div id="home-wrapper">
30       <div class="title">
31         <h1>AQVILA Forge</h1>
32       </div>
33     </div>
34   </body>
35 </html>
```

110 % 0 1 Ln: 2 Ch: 7 TABS CRLF Ready

```
index.html x style.css jquery.js main1.js*
31      <h1>AQVILA Forge</h1>
32    </div>
33    <div class="photo">
34      
35    </div>
36  </div>
37</div>
38
39</header>
40<div id="main">
41
42  <div class="blog">
43    <div id="aboutPhotoText">
44      <h4>
45        Welcome to Aqvila Forge!
46      </h4><br />
47      <p>
48        <table>
49          <tr>
50            <td>Country:</td>
51            <td>Serbia</td>
52          </tr>
53          <tr>
54            <td>Location:</td>
```



```
index.html x style.css jquery.js main1.js*
54 <tr>
55 <td>Location:</td>
56 <td>Obrenovac</td>
57 </tr>
58 <tr>
59 <td>Founding:</td>
60 <td>2019</td>
61 </tr>
62 <tr>
63 <td>Specialty:</td>
64 <td>European swords</td>
65 </tr>
66 <tr>
67 <td>Total made:</td>
68 <td>24 blades including swords and knives</td>
69 </tr>
70
71 </table>
72 <br />
73 </p>
74 <p>In 2017, I became interested in forging and metalworking.
75 In the beginning, I literally started with a few tools that
76 I found in my dad's garage. My forge was very primitive and
77 simple, and I gathered knowledge from books, forums and YouTube.
78 I've had a lot of ups and downs along the way, and I still have a lot to learn.</p>
```

110 % 0 1 Ln: 54 Ch: 3 Col: 9 TABS CRLF

```
index.html X style.css jquery.js main1.js*
77     simple, and I gathered knowledge from books, forums and YouTube.
78     I've had a lot of ups and downs along the way, and I still have a lot to learn.</p>
79     </div>
80 </div>
81     <div class="blog">
82     <div id="aboutPhoto"></div>
83 </div>
84     <div class="cleaner"></div>
85 </div>
86 <div id="products">
87     <h2>Products</h2>
88     <div class="cleaner"></div>
89     <div class="col-6" id="show">
90         <p></p>
91     </div>
92 </div><div class="cleaner"></div>
93     <div id="about_us">
94         <div class="text-left">
95
96             <div class="quote">
97                 <i class="fa fa-quote-left"></i>
98                 <p>
99                     In order to have the best possible sword, you need two things, high-quality steel
100                     and even more important heat treatment.<br/>
101                     The quality of the steel is the most important and will
```

```
index.html X style.css jquery.js main1.js*
101 The quality of the steel is the most important and will
102 depend primarily on the percentage
103 of carbon it contains, high carbon steels are
104 the best, of course other metals are usually added to improve
105 the quality, such as chromium, which increases
106 the elasticity of the steel and reduces the possibility of corrosion.
107 But heat treatment plays a key role, because even the best steel without adequate
108 heat treatment is unusable and the worst steel with adequate heat treatment will overpower it.
109 <br/>Heat treatment works by heating the steel to a certain temperature, which is easily
110 determined by technology today, but the desired temperature can still be determined
111 the old-fashioned way by looking at the color of the heated steel
112 <br/>Once the desired temperature is reached, the steel is cooled by immersion, usually in oil,
113 but water is also used to determine the type of steel. By sudden cooling, the steel changes its structure at
114 the atomic level, which results in a better performance of the steel
115 </div>
116
117
118 </div>
119 <div class="video1">
120 <iframe width="560" height="315" src="https://www.youtube.com/embed/Y_43_u9u_Ag"
121 title="YouTube video player" frameborder="0" allow="accelerometer; autoplay; clipboard-write;
122 encrypted-media; gyroscope; picture-in-picture" allowfullscreen></iframe>
123 </div>
124 <div class="cleaner"></div>
125 </div>
```

110% 0 1 Ln: 54 Ch: 3 Col: 9 TABS CRLF

Error List

```
index.html x style.css jquery.js main1.js*
125     </div>
126     <div class="cleaner"></div>
127 <div id="slider"></div>
128 <div id="contact">
129     <div id="forms"></div>
130 </div>
131 <div id="author">
132     <header>
133         <h2>AUTHOR</h2>
134     </header>
135     <div id="imageAuthor">
136         
137     </div>
138     <div id="textAuthor">
139         <p>
140             Milovan Markovic was born on February 27, 1998 in Belgrade.
141             He graduated from the Gymnasium in Obrenovac and is currently studies Internet
142             Technologies at the College of Informational and Communicational Technologies in Belgrade.
143             From 2017 to 2020, he simultaneously worked at the Port of Belgrade outside of his studies.
144             <br/>As a Web developer, has some basic knowledge of HTML, CSS, JS.
145         </p>
146         <div class="chart">
147             <div class="name"></div><div class="bar"></div>
148                 <span id="value1">51</span>
149         </div>
```

110% 0 1 Ln: 54 Ch: 3 Col: 9 TABS CRLF

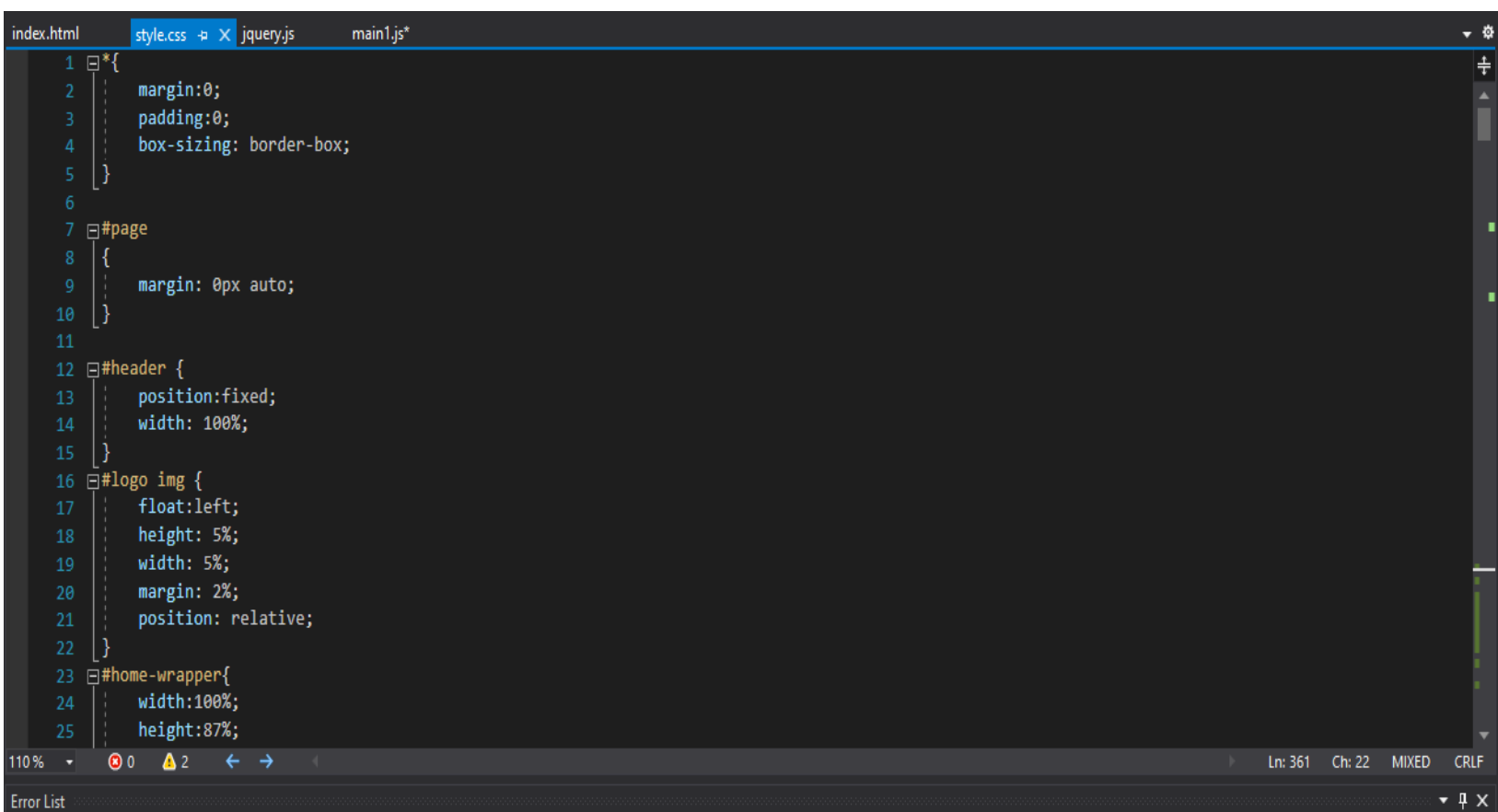
Error List

```
index.html x style.css jquery.js main1.js*
158         </div>
159
160     </div>
161     <div class="cleaner"></div>
162 </div>
163 <div id="footer">
164     <span id="links">
165         <ul></ul>
166     </span>
167     <br />
168     <span id="copyright">Milovan Markovic 101/17 &copy; 2022 All rights reserved.</span>
169     <a href="#" id="scrollUp">
170         <i class="fa fa-chevron-up"></i>
171     </a>
172 </div>
173 <script type="text/javascript" src="js/main1.js"></script>
174 <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js"></script>
175 <script type="text/javascript" src="js/jquery.js"></script>
176 </body>
177 </html>
```

110% 0 1 Ln: 54 Ch: 3 Col: 9 TABS CRLF

Error List

# CSS



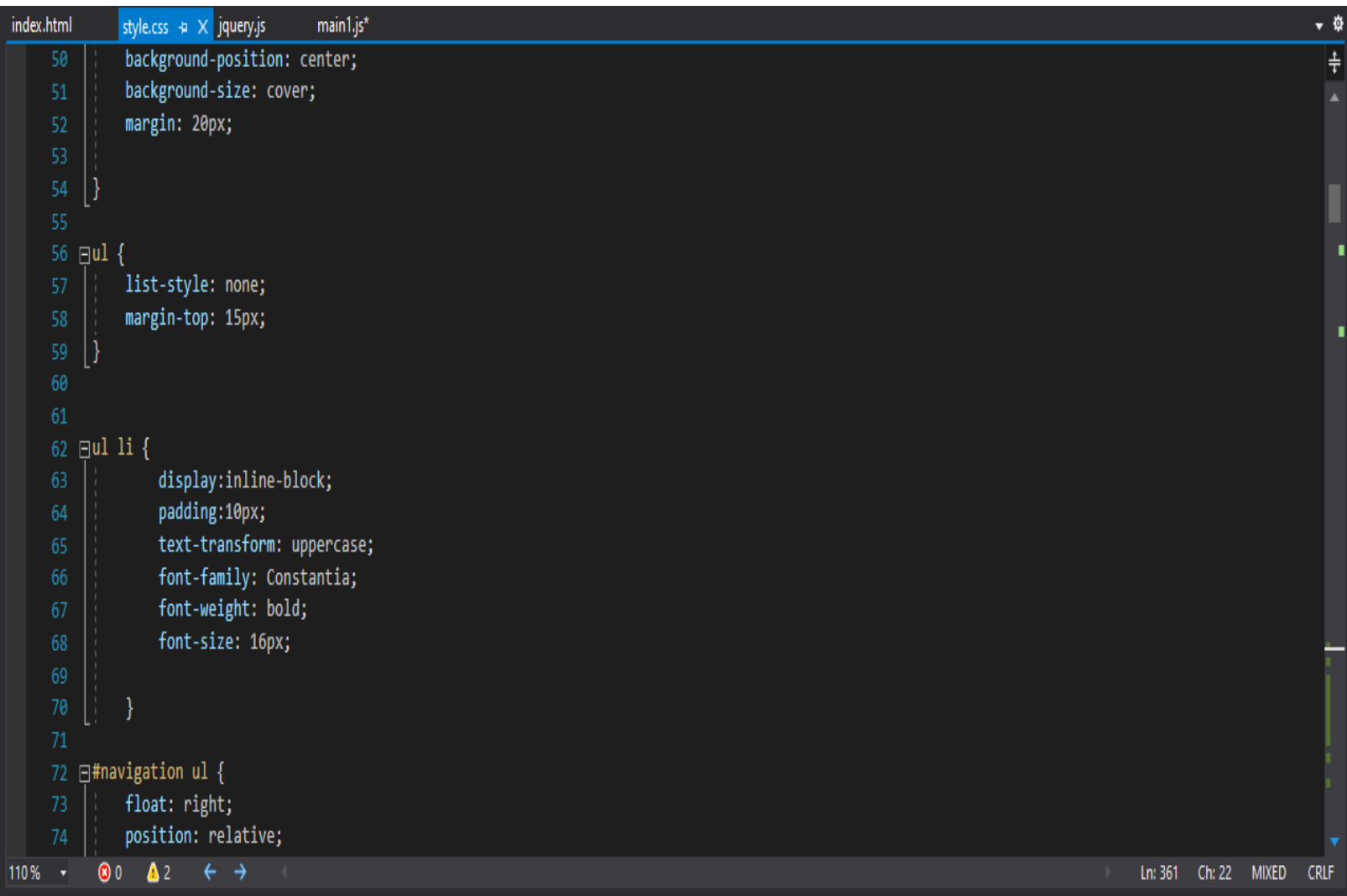
The screenshot shows a code editor with four tabs: index.html, style.css (active), jquery.js, and main1.js\*. The active tab displays CSS code for a web page layout. The code includes a reset for all elements, a page container, a fixed header, a logo, and a home wrapper.

```
1  *{
2      margin:0;
3      padding:0;
4      box-sizing: border-box;
5  }
6
7  #page
8  {
9      margin: 0px auto;
10 }
11
12 #header {
13     position:fixed;
14     width: 100%;
15 }
16 #logo img {
17     float:left;
18     height: 5%;
19     width: 5%;
20     margin: 2%;
21     position: relative;
22 }
23 #home-wrapper{
24     width:100%;
25     height:87%;
```

The editor interface includes a status bar at the bottom showing 110% zoom, 0 errors, 2 warnings, and navigation icons. The right sidebar is empty, and the bottom panel shows an empty Error List.

```
index.html  style.css  X  jquery.js  main1.js*
25  height:87%;
26
27  }
28  .title
29  {
30      position: absolute;
31      text-align:center;
32      margin-top: 18%;
33      margin-left:42%;
34      color:#fff;
35      font-family: Serif;
36  }
37
38  .title h1
39  {
40      text-transform: uppercase;
41  }
42
43  h2{
44      color:white;
45  }
46  .photo img
47  {
48      width:100%;
49      height:40%;
```

110 % 0 2 Ln: 361 Ch: 22 MIXED CRLF



The image shows a code editor with four tabs: index.html, style.css (active), jquery.js, and main1.js\*. The editor displays CSS code for styling a navigation menu and a background. The code is as follows:

```
50 background-position: center;
51 background-size: cover;
52 margin: 20px;
53
54 }
55
56 ul {
57     list-style: none;
58     margin-top: 15px;
59 }
60
61
62 ul li {
63     display: inline-block;
64     padding: 10px;
65     text-transform: uppercase;
66     font-family: Constantia;
67     font-weight: bold;
68     font-size: 16px;
69 }
70
71
72 #navigation ul {
73     float: right;
74     position: relative;
```

The status bar at the bottom indicates a zoom level of 110%, 0 errors, 2 warnings, and navigation icons. It also shows the current position as Ln: 361, Ch: 22, with MIXED encoding and CRLF line endings.



```
index.html style.css X jquery.js main1.js*
73 float: right;
74 position: relative;
75 display: flex;
76
77 }
78 #navigation >li{
79     margin-left:20px;
80 }
81
82 #main{
83     width:100%;
84 }
85
86 #products{
87     width: 100%;
88     margin:50px auto;
89     background:rgb(0,0,0);
90 }
91
92 #products h2{
93     text-align:center;
94     color:beige;
95     font-weight: bold;
96     margin:2px;
97 }
```

110 % 0 2 ← → Ln: 361 Ch: 22 MIXED CRLF

```
index.html style.css x jquery.js main1.js*
98  .cleaner{
99      clear:both;
100  }
101  a{
102      text-decoration:none;
103      color: white;
104      transition: 0.3s;
105  }
106
107  a:hover{
108      color:yellow;
109  }
110
111  #aboutPhoto img{
112      max-width: 35%;
113      margin-left: 40px;
114      margin-top: 20px;
115      /*width: 30%;*/
116      float:right;
117  }
118
119  #aboutPhotoText{
120      float: left;
121      max-width: 40%;
122      margin-top: 20px;
```

110% 0 2 ⏪ ⏩ Ln: 361 Ch: 22 MIXED CRLF

index.htmlstyle.css X jquery.jsmain1.js\*

118

#aboutPhotoText{

float: left;

max-width: 40%;

margin-top: 20px;

margin-left:40px;

}

#aboutPhotoText p {

text-align: justify;

}

.gallery{

display:inline-block;

float:left;

margin: 10px;

position: relative;

}

.gallery img{

transition:1s;

padding: 15px;

width: 350px;

}

110 % 0 2 118 1 Ch: 1 MIXED CRLF

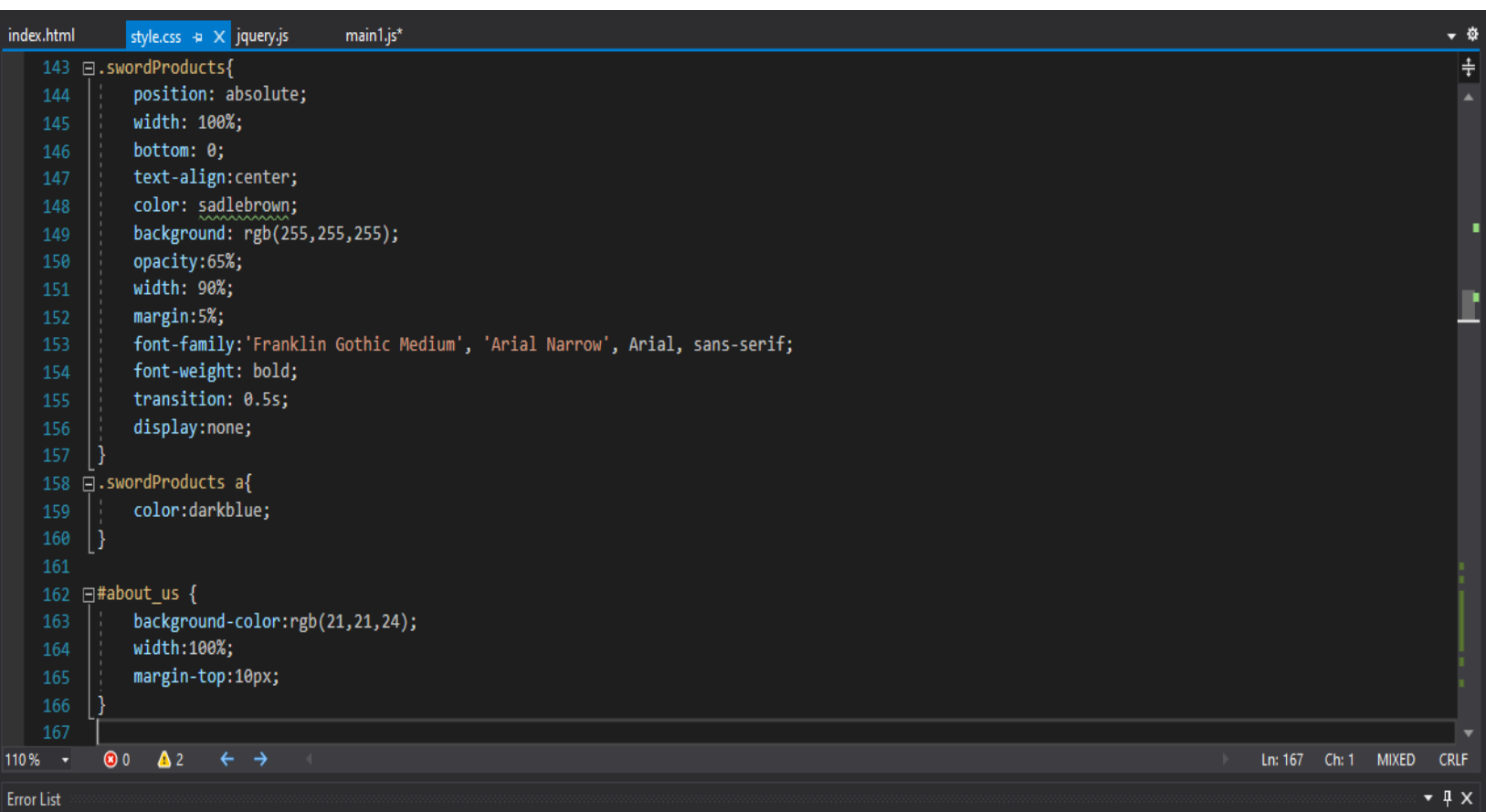
Error List

Entire Solution 0 Errors 3 Warnings 0 Messages Build + IntelliSense

Search Error List

	Code	Description	Project	File	Line	Suppression State
		"begie" is not a valid value for the "color" property.	Miscellaneous Files	style.css	94	
		"sadlebrown" is not a valid value for the "color" property.	Miscellaneous Files	style.css	148	

23



The image shows a code editor with a dark theme. The top bar displays the file names: index.html, style.css (selected), jquery.js, and main1.js\*. The editor area contains CSS code for two selectors: .swordProducts and #about\_us. The .swordProducts selector is defined from line 143 to 157, and the #about\_us selector is defined from line 162 to 166. The status bar at the bottom shows a zoom level of 110%, 0 errors, 2 warnings, and navigation icons. The right sidebar is empty.

```
143 .swordProducts{
144     position: absolute;
145     width: 100%;
146     bottom: 0;
147     text-align:center;
148     color: saddlebrown;
149     background: rgb(255,255,255);
150     opacity:65%;
151     width: 90%;
152     margin:5%;
153     font-family:'Franklin Gothic Medium', 'Arial Narrow', Arial, sans-serif;
154     font-weight: bold;
155     transition: 0.5s;
156     display:none;
157 }
158 .swordProducts a{
159     color:darkblue;
160 }
161
162 #about_us {
163     background-color:rgb(21,21,24);
164     width:100%;
165     margin-top:10px;
166 }
167
```

110 % 0 2 ← → Ln: 167 Ch: 1 MIXED CRLF

Error List

index.htmlstyle.css X jquery.jsmain1.js\*

168

#about\_us p{

169

color:rgb(255,255,255);

170

171

}

172

173

#about\_us h5{

174

color:rgb(255,255,255);

175

176

}

177

178

#about\_us i{

179

color:rgb(255,255,255);

180

text-align:left;

181

}

182

183

.text-left {

184

float: left;

185

width: 50%;

186

padding-right: 15px;

187

padding-left: 40px;

188

margin: 20px;

189

text-align: justify;

190

191

}

192

110 %

0

2

←

→

Ln: 167

Ch: 1

MIXED

CRLF

Error List

```
index.html style.css X jquery.js main1.js*
194 .video1 {
195     max-height: 400px;
196     width:40%;
197     float: right;
198     padding-right: 15px;
199     margin-top: 20px;
200
201 }
202 .video1 iframe{
203     width:100%;
204
205 }
206
207 #slider img{
208     width:100%;
209 }
210
211 #contact{
212     background-image:url('knife.jpg');
213 }
214 #forms{
215     padding:60px 40px;
216     background-color:rgb(16,16,18);
217     opacity:0.9;
218
110 % 0 2 Ln: 167 Ch: 1 MIXED CRLF
```

The screenshot shows a web browser's developer console with the following CSS code:

```
217 opacity:0.9;
218
219 }
220 #forms h4 {
221     color:rgb(255,255,255);
222     text-transform: uppercase;
223     font-weight: bold;
224     margin-bottom: 40px;
225     font-family: 'Times New Roman', Times, serif;
226     margin-left: 40px;
227 }
228
229 .text-tabs .validation{
230     color:yellow;
231     margin-bottom:15px;
232     padding-left:10px;
233 }
234 .validation{
235     border: 1px solid black;
236     font-size:16px;
237     background:transparent;
238     height:50px;
239     border-radius:0;
240     margin-bottom:20px;
241 }
```

The bottom status bar shows 110% zoom, 0 errors, 2 warnings, and navigation icons. The right side of the status bar indicates the current position is Ln: 167, Ch: 1, MIXED, CRLF. Below the status bar is an "Error List" panel.

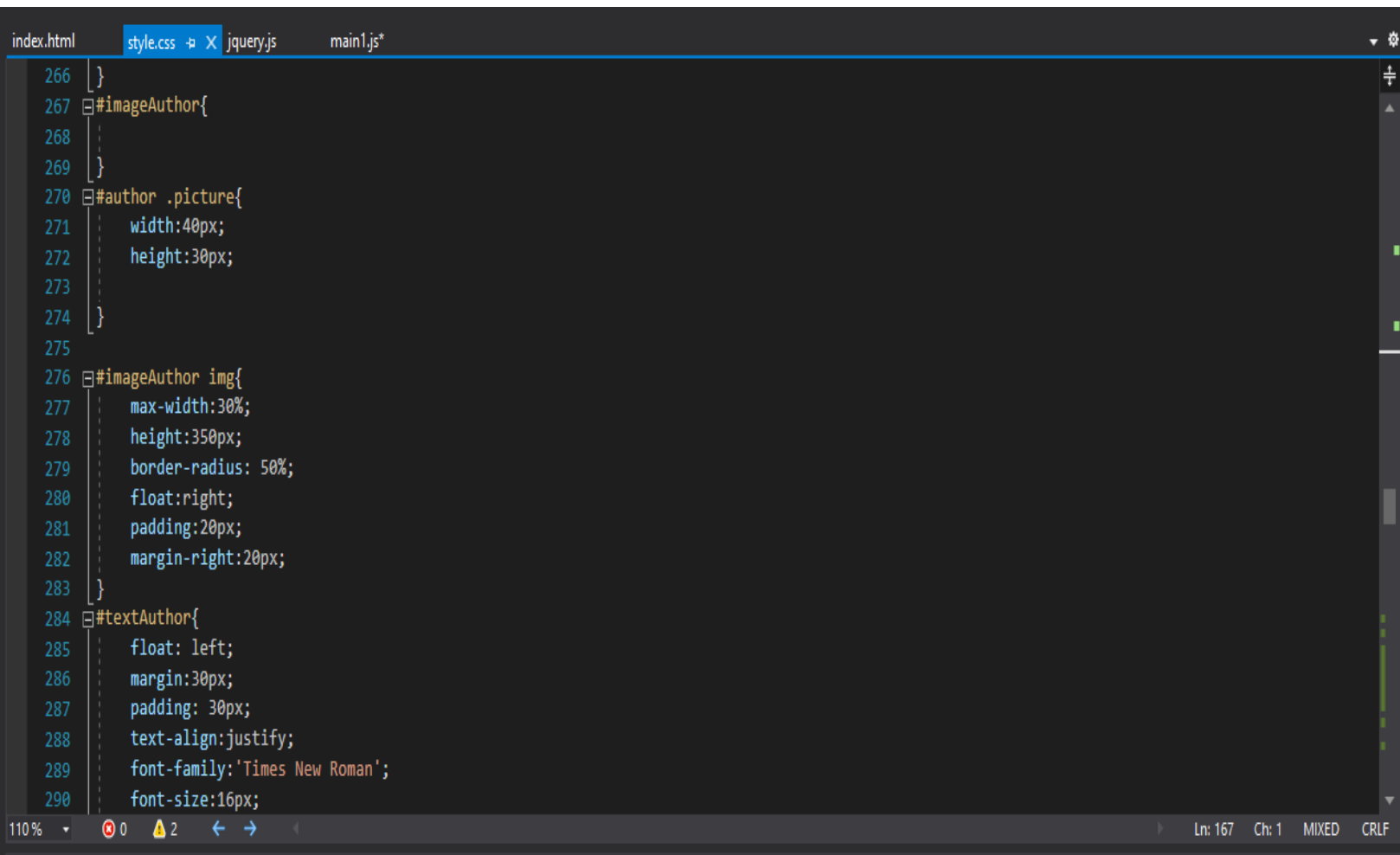
index.html style.css X jquery.js main1.js\*

```
242 .validation {
243     color:wheat;
244 }
245 #send{
246     margin-top:20px;
247     padding:5px;
248     color:#ffffff;
249     background-color:#111111;
250     font-size:16px;
251     text-transform:uppercase;
252 }
253
254 #author{
255     width:100%;
256     z-index:20;
257     left:0;
258     top:0;
259     background-color:rgb(255,255,255);
260     padding: 20px;
261 }
262
263 #author h2{
264     text-align: center;
265     color:black;
266 }
```

110 % 0 2 < > Ln: 167 Ch: 1 MIXED CRLF

Error List





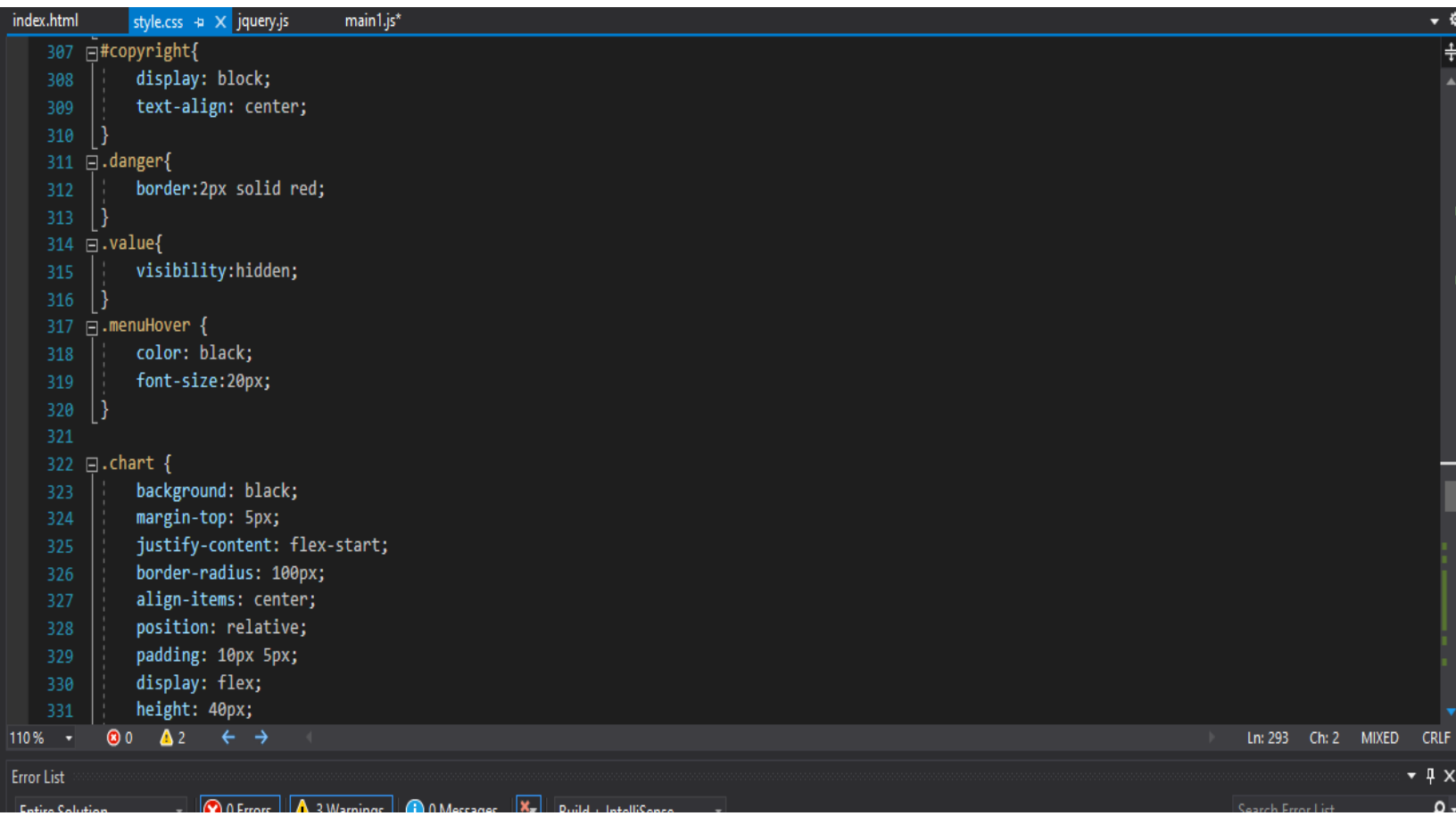
The image shows a code editor with a dark theme. The top bar displays the file names: 'index.html', 'style.css', 'jquery.js', and 'main1.js\*'. The 'style.css' file is active, showing CSS code for an author section. The code is as follows:

```
266 }
267 #imageAuthor{
268   .picture{
269   }
270 #author .picture{
271   width:40px;
272   height:30px;
273 }
274 }
275
276 #imageAuthor img{
277   max-width:30%;
278   height:350px;
279   border-radius: 50%;
280   float:right;
281   padding:20px;
282   margin-right:20px;
283 }
284 #textAuthor{
285   float: left;
286   margin:30px;
287   padding: 30px;
288   text-align:justify;
289   font-family:'Times New Roman';
290   font-size:16px;
```

The bottom status bar shows '110 %', '0' errors, '2' warnings, and navigation icons. On the right, it displays 'Ln: 167', 'Ch: 1', 'MIXED', and 'CRLF'.

```
index.html style.css x jquery.js main1.js*
284 #textAuthor{
285     float: left;
286     margin:30px;
287     padding: 30px;
288     text-align:justify;
289     font-family:'Times New Roman';
290     font-size:16px;
291     width:50%;
292     border:2px solid black;
293 }
294 #footer {
295     background:rgb(0,0,0);
296     color: white;
297     width: 100%;
298     padding: 25px;
299 }
300 #links{
301     text-align:center;
302 }
303 #links ul li{
304     display: inline-block;
305     color: white;
306 }
307 #copyright{
308     display: block;
```

110 % 0 2 Ln: 293 Ch: 2 MIXED CRLF



index.htmlstyle.css X jquery.jsmain1.js\*

```
330     display: flex;
331     height: 40px;
332     width: 500px;
333 }
334 .chart #value1 {
335
336     margin-left: 7px;
337     color: white;
338     font-weight: bolder;
339 }
340 .chart #value2 {
341
342     margin-left: 7px;
343     color: yellow;
344     font-weight: bolder;
345 }
346 .chart #value3 {
347
348     margin-left: 7px;
349     color: blue;
350     font-weight: bolder;
351 }
352 .name{
353     padding:3px;
354 }
```

110 % 0 2 Ln: 293 Ch: 2 MIXED CRLF

Error List

```
index.html style.css* x jquery.js main1.js*
355 .bar {
356
357     animation: load 3s normal forwards;
358     animation-name:load1;
359     box-shadow: 0 10px 40px -10px #fff;
360     border-radius: 100px;
361     background: rgb(255,0,0);
362     height: 30px;
363     width: 0;
364 }
365 .bar1 {
366
367     animation: load 3s normal forwards;
368     animation-name:load2;
369     box-shadow: 0 10px 40px -10px #fff;
370     border-radius: 100px;
371     background:rgb(0,0,255);
372     height: 30px;
373     width: 0;
374 }
375 .bar2 {
376
377     animation: load 3s normal forwards;
378     animation-name:load3;
379     box-shadow: 0 10px 40px -10px #fff;
```

110% 0 2 ← → Ln: 376 Ch: 5 MIXED CRLF

Error List

```
index.html style.css* x jquery.js main1.js*
375 .bar2 {
376
377     animation: load 3s normal forwards;
378     animation-name:load3;
379     box-shadow: 0 10px 40px -10px #fff;
380     border-radius: 100px;
381     background:rgb(255,255,255);
382     height: 30px;
383     width: 0;
384 }
385
386 @keyframes load1{
387
388     0% {
389         width: 0;
390     }
391     100% {
392
393         width: 51%;
394     }
395
396 }
397
398 @keyframes load2 {
399
```

110% 0 2 ← → Ln: 397 Ch: 1 MIXED CRL

Error List

```
index.html style.css* x jquery.js main1.js*
398 @keyframes load2 {
399
400     0% {
401         width: 0;
402     }
403
404     100% {
405         width: 70%;
406     }
407 }
408
409 @keyframes load3 {
410
411     0% {
412         width: 0;
413     }
414
415     100% {
416         width: 61%;
417     }
418 }
419
420 #scrollUp{
421     position: fixed;
422     display: none;
```

110 % 0 2 ← → Ln: 422 Ch: 1 MIXED CRLF

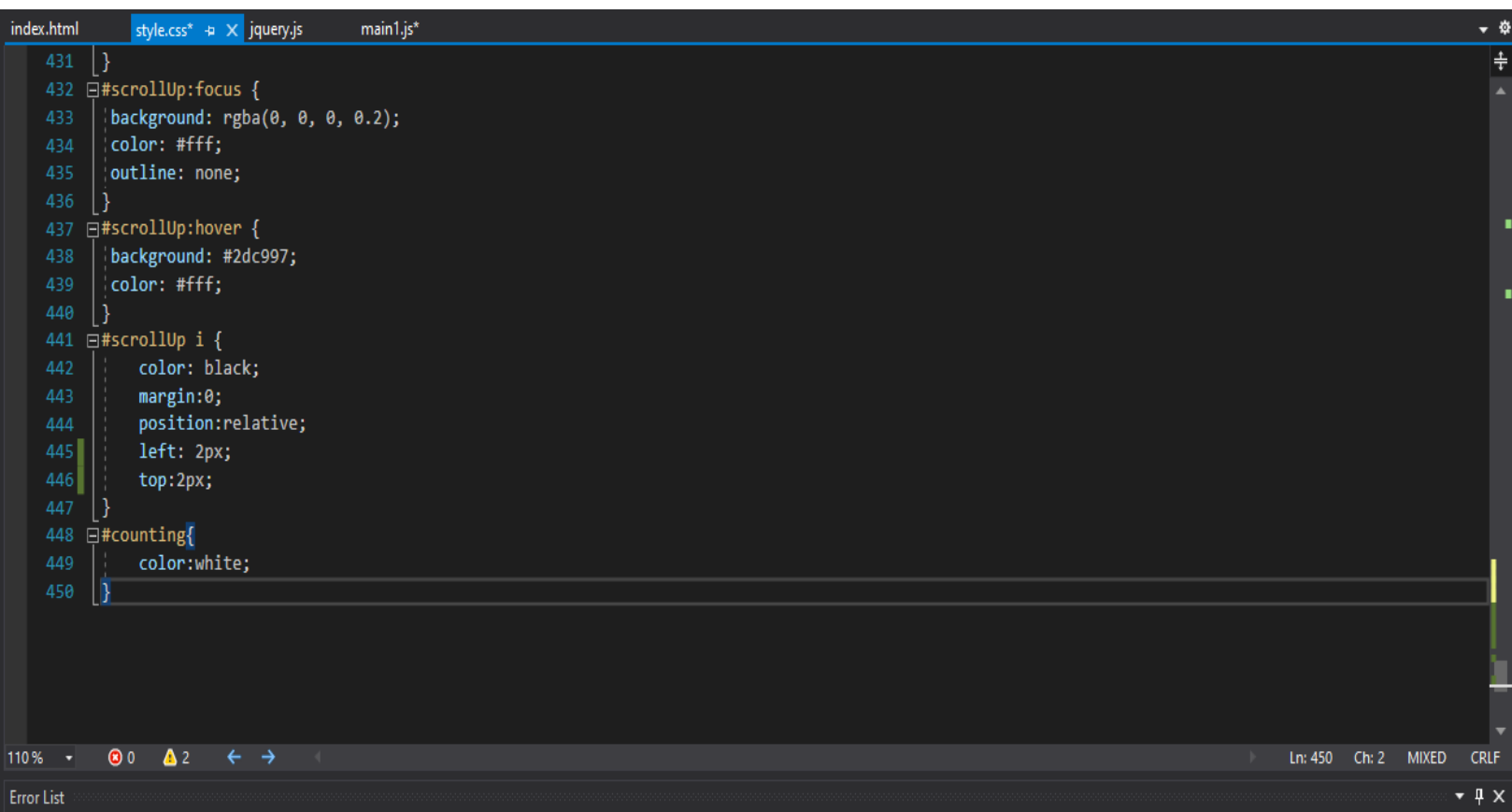
index.html style.css\* x jquery.js main1.js\*

```
420 #scrollTop{
421     position: fixed;
422     display: none;
423     background: rgba(0, 0, 0, 0.2);
424     color: #fff;
425     padding: 7px 13px 8px 13px;
426     font-size: 14px;
427     border-radius: 2px;
428     right: 7px;
429     bottom: 7px;
430     transition: background 0.5s;
431 }
432 #scrollTop:focus {
433     background: rgba(0, 0, 0, 0.2);
434     color: #fff;
435     outline: none;
436 }
437 #scrollTop:hover {
438     background: #2dc997;
439     color: #fff;
440 }
441 #scrollTop i {
442     color: black;
443     margin:0;
444     position:relative;
```

110% 0 2 Ln: 444 Ch: 8 Col: 11 MIXED CRLF

Error List





The image shows a code editor with four tabs: index.html, style.css\*, jquery.js, and main1.js\*. The active tab is style.css\*, which contains CSS code for a scroll-up button and a counting element. The code is as follows:

```
431 }
432 #scrollUp:focus {
433     background: rgba(0, 0, 0, 0.2);
434     color: #fff;
435     outline: none;
436 }
437 #scrollUp:hover {
438     background: #2dc997;
439     color: #fff;
440 }
441 #scrollUp i {
442     color: black;
443     margin: 0;
444     position: relative;
445     left: 2px;
446     top: 2px;
447 }
448 #counting {
449     color: white;
450 }
```

The editor interface includes a status bar at the bottom showing 110% zoom, 0 errors, 2 warnings, and navigation icons. The right sidebar shows a file explorer with a green indicator. The bottom status bar also displays 'Ln: 450', 'Ch: 2', 'MIXED', and 'CRLF'.

## JavaScript

For-in petlja se koristi za dinamičko kreiranje menu. Podaci su smešteni u dva odvojena niza, u jednom se kao podaci nalazi tekst koji će biti vidljiv u menu, dok u drugom se nalaze linkovi.

```
1 //navigacija -dinamicko ispisivanje FOR-IN petljom
2 var navBar = document.querySelector("#navigation ul");
3
4 var navNames = ["Home", "Products", "About", "Author", "Dokumentacija"];
5 var navLinks = ["index.html", "#products", "#about_us", "#author", "Dokumentacija.pdf" ];
6
7 for(var index in navNames){
8     navBar.innerHTML += `<li><a href="${navLinks[index]}"> ${navNames[index]} </a></li>`;
9 }
10
```

Dinamič koispisivanje sadržaja

```
//slika
var photo = document.createElement("img");
photo.setAttribute("src", "img/me.jpg");
photo.setAttribute("alt", "Me with my works");
console.log(photo);
var aboutImage = document.getElementById("aboutPhoto");
aboutImage.appendChild(photo);

var text1 = document.getElementById("aboutPhotoText");
var infos = document.createElement("span");
```

Funkcija za kreiranje fiksiranog menija koji se kreće zajedno sa skrolovanjem stranice

```
23 function slide(e) {
24
25     const slideIn = (window.scrollY + window.innerHeight) - photo.height;
26
27 }
28 window.addEventListener('scroll', slide);
29
30 //
31 let nekiText = document.getElementsByClassName("title");
32 let nekiBlok = document.getElementById("main");
33 window.addEventListener(scroll, function () {
34     let moving = window.scrollY;
35     nekiText.style.top = 50 + moving * -0.5 + '%';
36     nekiBlok.style.top = moving * -0.12 + 'px';
37 })
```

Dinamičko ispisivanje galerije proizvoda for petljom

```
38
39 //galerija proizvoda - dinamičko ispisivanje FOR petljom
40 var gallery = document.querySelector("#products");
41 var swordsImg = ["Longsword", "heavysabre", "russianshashka", "katana", "Katzbalger",
42     "Medievaldagger", "Gladius", "Falcata", "Celtic", ];
43 var swordsName = ["Longsword", "Heavy Sabre", "Russian Shashka", "Katana", "Katzbalger", "Medival dagger",
44     "Gladius", "Falcata", "Celtic sword",];
45 var swordAbout=["Replica of medieval longsword</br>Lenght:120cm</br>Blade width:5cm</br>Weight:1.5kg",
46     "19th century sabre </br>Lenght:100cm</br>Blade width:3cm</br>Weight:0.9kg",
```

6 No issues found Ln: 1

```

45  var swordAbout=["Replica of medieval longsword<br>Lenght:120cm<br>Blade width:5cm<br>Weight:1.5kg",
46      "19th century sabre <br>Lenght:100cm<br>Blade width:3cm<br>Weight:0.9kg",
47      "Russian Cossack shashka <br>Lenght:90cm<br>Blade width:3cm<br>Weight:0.7kg",
48      "Replica of Japanese Katana <br>Lenght:105cm<br>Blade width:4cm<br>Weight:1.2kg",
49      "German Mercenary sword from 17th century <br>Lenght:85cm<br>Blade width:4cm<br>Weight:1.1kg",
50      "Knight dagger <br>Lenght:35cm<br>Blade width:2.5cm<br>Weight:0.4kg",
51      "Ancient Roman legionar gladius <br>Lenght:70cm<br>Blade width:4cm<br>Weight:0.8kg",
52      "Roman Falcata <br>Lenght:75cm<br>Blade width:5cm<br>Weight:0.9kg",
53      "Barbarian Celtic sword <br>Lenght:70cm<br>Blade width:4.5cm<br>Weight:0.8kg",]
54
55  for (let i = 0; i < swordsName.length; i++) {
56      gallery.innerHTML+=`<div class="gallery">
57      <div class="swordProducts"><h3>${swordsName[i]}</h3><a>More about</a>
58      <div class="moreAbout"><p>${swordAbout[i]}</p></div></div></div>`
59  }
60

```

Kod za kreiranje slidera koji na svake 2s rotira  
ukupno 6 različitih fotografija

```
61 //Slajder
62 setInterval(slider, 2000);
63
64 var counter = 1;
65 function slider() {
66     document.querySelector("#slider img").src = "img/slide" + counter + ".jpg";
67     counter++;
68     if (counter == 6) {
```

```
64     var counter = 1;
65     function slider() {
66         document.querySelector("#slider img").src = "img/slide" + counter + ".jpg";
67         counter++;
68         if (counter == 6) {
69             counter = 1;
70         }
71     }
```

## Dinamičko ispisivanje forme preko FOR-OF petlje

```
73 //forma - dinamičko ispisivanje FOR-OF petljom
74 function writeForm() {
75     var tabs = ["Name", "Last Name", "Email"];
76     var forms = document.getElementById("forms");
77     var writing = "<h4>Send me a question</h4>";
78     for (let index of tabs) {
79         writing += `<div class="text-tabs">
80             <input type="text" class="validation" title="Write a message down bellow" id="${index}" placeholder="$
81             <h3 class="value">Value ${index} is not correct</h3>
82             </div>`;
83         console.log(index);
84     }
85     writing += `<div class="text-tabs">
86         <textarea class="form-control" name="message" rows="5" cols="40" id="message"
87         placeholder="Write a message to contact me..." maxlength="300">
88         </textarea>
89         <div id="counting">0/300</div>
90         </div>
91         <input type="submit" id="send" value="send" />`
92     forms.innerHTML = writing;
93     console.log(writing);
94 };
95 writeForm()
96
```

## Regularni izrazi

```
//regularni izrazi
document.querySelector("#send").addEventListener("click", function (e)
{
    e.preventDefault()
    findErrors()
})

function findErrors() {

    var wrong = [];
    let firstName, lastName, email, message;
    firstName = document.querySelector("#Name");
    lastName = document.querySelector("#LastName");
    email = document.querySelector("#Email");
    message = document.querySelector("#message");
    console.log(firstName, lastName);

    let firstNameRegex = /^[A-ZĆČŽŠĐ][a-zćčžšđ]{2,14}$/;
    let lastNameRegex = /^[A-ZĆČŽŠĐ][a-zćčžšđ]{2,18}$/; // ([A-ZĆČŽŠĐ][a-zćčžšđ] {2,18})
    let emailRegex = /^[\w-\.\.]+\@([\w-]+\.\.)+[\w-]{2,4}$/;
```

```

117 let firstNameRegex = /^[A-ZČČŽŠĐ][a-zččžšđ]{2,14}$/;
118 let lastNameRegex = /^[A-ZČČŽŠĐ][a-zččžšđ]{2,18}$/; // ([A-ZČČŽŠĐ][a-zččžšđ]{2,18})
119 let emailRegex = /^[\\w-\\.]+@([\\w-]+\\.)+[\\w-]{2,4}$/;
120 let messageRegex = /.{2,300}/;
121 let firstNameDone = false;
122 let lastNameDone = false;
123 let emailDone = false;
124 let messageDone = false;
125
126
127 function checkAll(itemValue, itemRegex, itemDone) {
128     if (itemRegex.test(itemValue.value)) {
129         itemDone = true;
130         if (itemValue.classList.contains("danger"))
131             itemValue.classList.remove("danger")
132     }
133     else
134     {
135         itemDone = false;
136         if (!itemValue.classList.contains("danger"))
137             itemValue.classList.add("danger")
138     }
139 }

```



## Progres bar

```
145     };
146
147     //PROGRESS BAR Primer CODE RE-USE
148     function increase(data) {
149
150         let SPEED = 51;
151
152         let limit = parseInt(document.getElementById(data).innerHTML, 10);
153
154         for (let i = 0; i <= limit; i++) {
155             setTimeout(function () {
156                 document.getElementById(data).innerHTML = i + "%";
157             }, SPEED * i);
158         }
159         console.log(limit);
160     }
161
162     var html = ``;
163     for (let i =1; i < 4; i++) {
164         html = "value" + i;
165         increase(html);
166     }
167
209     var links = document.querySelector("#links ul");
210
211     const linked = ["https://twitter.com/?lang=sr", "https://www.instagram.com/", "https://www.youtube.",
212     const icons = ["fa fa-twitter", "fa fa-instagram", "fa fa-youtube", "fa fa-facebook"];
213
214     for (var index in linked) {
215         links.innerHTML += `<li><a href="${linked[index]}"> <i class="${icons[index]}"></i></a>|</li>`;
216     }
217
218
```

## Ispisivanje navigacije u footeru korišćenjem For-in petlje

```
209 var links = document.querySelector("#links ul");
210
211 const linked = ["https://twitter.com/?lang=sr", "https://www.instagram.com/", "https://www.youtube.com/", "https://www.facebook.com/"];
212 const icons = ["fa fa-twitter", "fa fa-instagram", "fa fa-youtube", "fa fa-facebook"];
213
214 for (var index in linked) {
215     links.innerHTML += `<li><a href="${linked[index]}"> <i class="${icons[index]}"></i></a>|</li>`;
216 }
217
218
```

## jQuery

Funkcija koja kreira iluziju blicanja naslova stranice uz pomoć for petlje koja odbrojava do 10000 ciklusa, namerno sam stavio dati broj po nekom mom osećaju jer sam smatrao da je dovoljno veliki broj da korisnik neće toliko dugo provesti na datoj stranici.

```
2
3  $(document).ready(function () {
4      $("#page").on('mouseenter', function () {
5          for (let i = 0; i < 10000; i++) {
6              $(".title").fadeTo(700, 0.2);
7              $(".title").fadeTo(700, 0.9);
8          }
9      });
10 });
11
```

Funkcija `hover` omogućava da prilikom prelaska kursorom preko fotografije u galeriji proizvoda polako pojavlju podaci o datom proizvodu. Izlaskom kursora iz polja, opis se ponovo povlači. Važno je navesti da navedeni kod radi zasebno za svaki od polja, tj ulaskom u polje jedne fotografije ne utiče na isti kod u susednim.

```
12  $(document).ready(function () {  
13      $('.swordProducts').hide();  
14      $(".gallery").hover(function () {  
15          $(this).children('.swordProducts').stop(true, true).slideToggle('slow');  
16      });  
17  });  
18  
19  function fadeInImage(img, dir) {
```

Promena boje i veličine slova u meniju. Iako ova animacija može da se izvede bez upotrebe JS-a, tj. kroz CSS, u ovom slučaju jQuery ulaskom u polje linka privremeno aktivira klasu `.menuHover` u CSS-u. Izlaskom iz polja, jQuery ponovo uklanja pomenutu klasu i vraća prvobitni izgled linka.

```
36  $("#navigation li a").hover(function(){
37      $(this).addClass("menuHover")
38  },
39  function(){
40      $(this).removeClass("menuHover")
41  }
42  );
43
```

Klikom na mali taster u donjem desnom uglu ekrana, omogućava povratak korisnika na početak („Scroll to Top”). Navedeni taster se ne pojavljuje odmah, već čeka da korisnik skroluje određeni broj redova, nakon čega se pojavljuje (fade in) isto tako i nestaje ukoliko se korisnik vrati na rastojanje manje rastojanje od vrha stranice (manje od 50)

```
44  $(window).scroll(function(){
45      if($(this).scrollTop()>50){
46          $("#scrollUp").fadeIn(100);
47      }
48      else
49      {
50          $("#scrollUp").fadeOut(100);
51      }
52  });
53
54  $("#scrollUp").click(function(){
55      $("body, html").animate({scrollTop:0},500
56  );
57  });
```

Animacija iskačuce fotografije koja se pojavljuje nakon ulaska u njeno polje.

```
18
19  function fading(image, divs) {
20      $(image).hide();
21      $(divs).mouseenter(function () {
22          $(image).show(1500);
23      });
24  }
```